



# UNITED STATES PATENT AND TRADEMARK OFFICE

my

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,123	07/08/2003	Bradley D. Schweigert	KMC-585	2211
7590	07/23/2004			
Darrell F. Marquette 2201 W. Desert Cove Phoenix, AZ 85029				
EXAMINER HUNTER, ALVIN A				
ART UNIT			PAPER NUMBER	
3711				

DATE MAILED: 07/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/616,123

Applicant(s)

SCHWEIGERT ET AL

Examiner

Alvin A. Hunter

Art Unit

3711

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 10 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 7/08/2003.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

The abstract of the disclosure is objected to because the abstract is more than 150 words. Correction is required. See MPEP § 608.01(b).

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1, 2, 4, 6, 7, and 10-12 are rejected under 35 U.S.C. 102(b) as being anticipated by MacDonald (USPN 4326326).

Regarding claim 1, MacDonald discloses an iron type golf club head comprising a body having a front face 16 arranged for impact with a golf ball, a back face 18, a heel portion 12 and a toe portion 14; a hosel 10 connected to the heel portion of the body, the hosel having a longitudinal axis; a perimeter weighting element, as shown in Figure 8, protruding rearwardly from the front face defining a primary cavity in the back face, the primary cavity having a bottom surface, the perimeter weighting element including a top rail extending between the heel and toe portions along an upper portion of the body, the perimeter weighting element also including a sole extending between the heel and toe portions along a lower portion of the body; an interior wall 20 extending from a first end connected to the perimeter weighting element adjacent the body heel portion through the primary cavity between the top rail and the sole to a second end connected to the

perimeter weighting element adjacent the body toe portion defining an elongated secondary cavity within the primary cavity, and the interior wall being integrally formed on the bottom surface of the primary cavity and extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 1-6 and 8).

Regarding claim 2, MacDonald shows the interior wall having a height dimension that varies between the first and second ends thereof (See Figure 2).

Regarding claim 4, MacDonald discloses a weight adjustment member 22 disposed in the secondary cavity (See Abstract).

Regarding claim 6, MacDonald discloses an iron type golf club head including a body having a front face 16 arranged for impact with a golf ball, a back face 18, a heel portion 12, a toe portion 14, a hosel 10 connected to the heel portion of the body and having a longitudinal axis, a perimeter weighting element, as shown in Figure 8, protruding rearwardly from the front face defining a primary cavity in the back face, the primary cavity having a bottom surface, the perimeter weighting element including a top rail extending between the heel and toe portions along an upper portion of the body, the perimeter weighting element also including a sole extending between the heel and toe portions along a lower portion of the body, wherein the improvement comprises an interior wall extending from a first end connected to the perimeter weighting element adjacent the body heel portion through the primary cavity between the top rail and the sole to a second end connected to the perimeter weighting element adjacent the body toe portion defining an elongated secondary cavity 20 within the primary cavity; and the

interior wall being integrally formed on the bottom surface of the primary cavity and extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 1-6 and 8).

Regarding claim 7, MacDonald shows the interior wall has a height dimension that varies between the first and second ends thereof (See Figure 2).

Regarding claim 10, MacDonald discloses an iron type golf club head comprising: a body having a front face 16 arranged for impact with a golf ball, a back face 18, a heel portion 12 and a toe portion 14; a hosel 10 connected to the heel portion of the body, the hosel having a longitudinal axis; a perimeter weighting element, as shown in Figure 8, protruding rearwardly from the front face defining a primary cavity in the back face, the primary cavity having a bottom surface, the perimeter weighting element including a top rail extending between the heel and toe portions along an upper portion of the body, the perimeter weighting element also including a sole extending between the heel and toe portions along a lower portion of the body; the top rail including an upper inner surface of the perimeter weighting element, and the sole including a lower inner surface of the perimeter weighting element, and the upper and lower inner surfaces of the perimeter weighting element extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 1-6 and 8).

Regarding claim 11, MacDonald shows an interior wall extending from a first end connected to the perimeter weighting element adjacent the body heel portion through the primary cavity between the top rail and the sole to a second end connected to the

perimeter weighting element adjacent the body toe portion defining an elongated secondary cavity 20 within the primary cavity; and the interior wall being integrally formed on the bottom surface of the primary cavity and extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 2 and 3).

Regarding claim 12, MacDonald discloses a weight adjustment member 22 disposed in the secondary cavity (See Figure 8).

2. Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Beebe et al. (GB 2351447 A).

Regarding claim 1, Beebe et al. discloses an iron type golf club head comprising a body 12 having a front face 22 arranged for impact with a golf ball, a back face 23, a heel portion 16 and a toe portion 18; a hosel 14 connected to the heel portion of the body, the hosel having a longitudinal axis; a perimeter weighting element 24 protruding rearwardly from the front face defining a primary cavity 26 in the back face, the primary cavity having a bottom surface 54, the perimeter weighting element including a top rail 28 extending between the heel and toe portions along an upper portion of the body, the perimeter weighting element also including a sole 30 extending between the heel and toe portions along a lower portion of the body; an interior wall 56 extending from a first end 56a connected to the perimeter weighting element adjacent the body heel portion through the primary cavity between the top rail and the sole to a second end 56b connected to the perimeter weighting element adjacent the body toe portion defining an elongated secondary cavity 58 within the primary cavity, and the interior wall being

integrally formed on the bottom surface of the primary cavity and extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 1 and 2 and description of the preferred embodiment).

Regarding claim 2, Beebe et al. discloses the interior wall having a height dimension that varies between the first and second ends thereof (See Figure 1 and Page 5, lines 15 through 21).

Regarding claim 3, Beebe et al. discloses the height dimension of the interior wall being greater at the second end than at the first end (See Page 5, lines 15 through 21).

Regarding claim 4, Beebe et al. discloses a weight adjustment member 60 disposed in the secondary cavity (See Page 5, lines 23 through 26).

Regarding claim 5, Beebe et al. discloses the weight adjustment member being selected from a plurality of weight adjustment members of different weights (See Page 5, lines 23 through 26).

Regarding claim 6, Beebe et al. discloses an iron type golf club head including a body 12 having a front face 22 arranged for impact with a golf ball, a back face 23, a heel portion 16, a toe portion 18, a hosel 14 connected to the heel portion of the body and having a longitudinal axis, a perimeter weighting element 24 protruding rearwardly from the front face defining a primary cavity 26 in the back face, the primary cavity having a bottom surface 54, the perimeter weighting element including a top rail 28 extending between the heel and toe portions along an upper portion of the body, the perimeter weighting element also including a sole 30 extending between the heel and

Art Unit: 3711

toe portions along a lower portion of the body, wherein the improvement comprises an interior wall 56 extending from a first end 56a connected to the perimeter weighting element adjacent the body heel portion through the primary cavity between the top rail and the sole to a second end 56b connected to the perimeter weighting element adjacent the body toe portion defining an elongated secondary cavity 58 within the primary cavity; and the interior wall being integrally formed on the bottom surface of the primary cavity and extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 1 and 2 and description of the preferred embodiment).

Regarding claim 7, Beebe et al. discloses the interior wall having a height dimension that varies between the first and second ends thereof (See Figure 1 and Page 5, lines 15 through 21).

Regarding claim 8, Beebe et al. discloses the height dimension of the interior wall being greater at the second end than at the first end (See Page 5, lines 15 through 21).

Regarding claim 9, Beebe et al. discloses an iron type golf club head comprising: a body 12 having a front face 22 arranged for impact with a golf ball, a back face 23, a heel portion 16 and a toe portion 18; a hosel 14 connected to the heel portion of the body, the hosel having a longitudinal axis; a perimeter weighting element 24 protruding rearwardly from the front face defining a primary cavity 26 in the back face, the primary cavity having a bottom surface 54, the perimeter weighting element including a top rail 26 extending between the heel and toe portions along an upper portion of the body, the perimeter weighting element also including a sole 30 extending between the heel and



Art Unit: 3711

toe portions along a lower portion of the body; an interior wall 56 extending from a first end 56a connected to the perimeter weighting element adjacent the body heel portion through the primary cavity between the top rail and the sole to a second end 56b connected to the perimeter weighting element adjacent the body toe portion defining an elongated secondary cavity 58 within the primary cavity, the interior wall having a height dimension that varies between the first and second ends thereof with the height dimension being greater at the second end than at the first end; the interior wall being integrally formed on the bottom surface of the primary cavity and extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel; and a weight adjustment member 60 disposed in the secondary cavity (See Figures 1 and 2 and description of the preferred embodiment).

Regarding claim 10, Beebe et al. discloses an iron type golf club head comprising: a body 12 having a front face 22 arranged for impact with a golf ball, a back face 23, a heel portion 16 and a toe portion 18; a hosel 14 connected to the heel portion of the body, the hosel having a longitudinal axis; a perimeter weighting element 24 protruding rearwardly from the front face defining a primary cavity 26 in the back face, the primary cavity having a bottom surface 54, the perimeter weighting element including a top rail 28 extending between the heel and toe portions along an upper portion of the body, the perimeter weighting element also including a sole 30 extending between the heel and toe portions along a lower portion of the body; the top rail including an upper inner surface of the perimeter weighting element, and the sole including a lower inner surface of the perimeter weighting element, and the upper and

lower inner surfaces of the perimeter weighting element extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 1 and 2 and description of the preferred embodiment).

Regarding claim 11, Beebe et al. discloses an interior wall 56 extending from a first end 56a connected to the perimeter weighting element adjacent the body heel portion through the primary cavity between the top rail and the sole to a second end 56b connected to the perimeter weighting element adjacent the body toe portion defining an elongated secondary cavity 58 within the primary cavity; and the interior wall being integrally formed on the bottom surface of the primary cavity and extending from the bottom surface of the primary cavity in a direction that is substantially perpendicular to the longitudinal axis of the hosel (See Figures 1 and 2 and description of the preferred embodiment).

Regarding claim 12, MacDonald discloses a weight adjustment member 22 disposed in the secondary cavity (See Page 5, lines 23 through 26).

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alvin A. Hunter whose telephone number is 703-306-5693. The examiner can normally be reached on Monday through Friday from 7:30AM to 4:00PM Eastern Time.

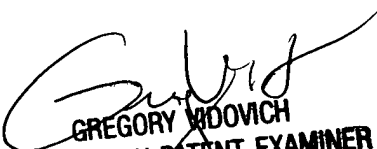
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Vidovich, can be reached on 703-308-1513. The fax phone

Art Unit: 3711

number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Alvin A. Hunter, Jr.

  
GREGORY W. KOVICH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700